

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Etsuko NAKAMURA et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed November 26, 2003 : Attorney Docket No. 2003_1698A

LOWER LAYER MATERIAL FOR WIRING,
EMBEDDED MATERIAL, AND WIRING
FORMATION METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed.

- 1a. ☒ This Information Disclosure Statement is submitted:
- within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**
- before the mailing date of the first Office Action on the merits,
- and thus no certification and/or fee is required.**
- 1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.


4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

a. ☒ a full or partial English language translation submitted herewith,

- b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page ,
 - d. ☒ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
 - f. ☒ Please see the attached sheet.
5. ☐ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Etsuko NAKAMURA et al.

By 
Matthew M. Jacob
Registration No. 25,154
Attorney for Applicant

MJ/da
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
November 26, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: November 26, 2003

ATTY DOCKET NO.
2003_1698ASERIAL NO.
NEWAPPLICANT
Etsuko NAKAMURA et al.FILING DATE
November 26, 2003

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,329,118	12/2001	Hussein et al.			
	AB	5,981,145	11/1999	Ding et al.			
	AC	5,994,430	11/1999	Ding et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	10-319601	12/1998	Japan			Abstract
	AK	2000-512336	9/2000	Japan			
	AL	2000-512402	9/2000	Japan			
	AM	2002-033257	1/2002	Japan			Abstract
	AN	10-092740	4/1998	Japan			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

PRIOR ART INFORMATION LIST

FOR SUBMITTING IDS

Your Ref :	
Client's Ref :	St-BARC-US
Our Ref :	PTKA-03062-US

Country, Application /Publication/Patent Number, Author, Title, Name of Document	Issue date (Application Date)	Concise Explanation of the Relevance (indication of page, column, line, figure of the relevant portion)
* ① Japan No. HEI 10-319601 A	Dec. 4, 1998	English Abstract
* ② Japan No. 2000-512336 A	Sep. 19, 2000	Equivalent to USP 5,981,145 issued on Nov. 9, 1999.
* ③ Japan No. 2000-512402 A	Sep. 19, 2000	Equivalent to USP 5,994,430 issued on Nov. 30, 1999.
* ④ Japan No. 2002-033257 A	Jan. 31, 2002	English Abstract
* ⑤ U. S. A. USP 6,329,118 B1	Dec. 11, 2001	
* ⑥ Japan No. HEI 10-092740 A	Apr. 10, 1998	English Abstract

* : The prior art document identified in the specification.